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Both phenomenological and mechanistic approaches, and their interrelations are emphasized. Contributions are judged from the intellectual content and relevance to composite materials. Theoretical predictions should be related to physical reality; experimental results, to some mathematical models.

While fracture, fatigue, structural reliability, and design criteria are being emphasized, analytic solutions of elasticity, and plates and shells are being de-emphasized. These classical boundary value problems are deemed more suitable for publication in discipline-oriented journals than in this technology-oriented journal.

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S. W. Tsai, "Mechanics of Composite Materials," Air Force Materials Laboratory, AFML-TR-66-149, November 1966.

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